To: Durno, Mark[durno.mark@epa.gov]; Grantham, Nancy[Grantham.Nancy@epa.gov]

Cc: Ben Ranger Ex. 6 - Personal Privacy

From: Scott Smith

Sent: Fri 4/29/2016 12:10:03 PM

Subject: Re: Information / Discussion Items for Conference Call Tomorrow

Thanks for note. Below are 10 of 11 addresses for some of the homes we tested. There 3 more homes that we cannot release at this time due to privacy requests from residents. These 3 residents will allow the release of their addresses once we announce their results publicly this coming Tuesday. I am very concerned about what we found in one of the water heaters (volatiles and metals) from last weekend, but need to get permission from the resident to discuss with you. Also, several of the homes below with the addresses we just tested and will be announcing publicly this Tuesday.

Note that on our latest round of testing we began isolating particulate lead from dissolved lead and all the lead we are finding appears to be particulate lead. It would appear that the phosphoric acid is not so effective with particulate lead. I would like to discuss this with you too.

We continue to find 1,4 Dichlorobenzene in the water as the water enters a home (along with some other DBP's), the water heater, and in the showers/baths. It appears at this time that the 1,4 Dichlorobenzene increases post water heater and in showers and bathes (increases more in showers than bathes). I have been talking extensively with Dr. Susan Richardson (former EPA office of R&D and whom did the extensive research while at EPA from 2009 work that I presented at a press conference and City Council). Dr. Richardson tells me from her research that 1,4 Dichlorobenzene can be a DBP along with over 700 others that are unidentified. Also, I continue to review my testing results with Dr. Judith Zelikoff and Dr. Doug Fort. I have some thoughts on this to discuss with you as well.

One of many questions continues: With the compromised galvanized pipes and other pipes going back to 2014, is it the disinfectants (chlorine) that have been reacting all along and continuing to react with organic matter in the distribution system to create 1,4 Dichlorobenzene and other DBP's that are somehow possibly involved in the reported health problems in showers and baths? As we have no comprehensive data (that I am aware of) for other cities downstream in bathtubs / showers combined with corrosive issues in a distribution system for almost 2 years, this appears to be a fair question.

We have gone back to our independent Lab, ALS Environmental, and asked them to generate a report on all the Tentatively Identified Compounds, and as I discussed with you, I would like to review these detailed reports side by side with the EPA when you are ready.

I just got called back to Flint today for more testing this weekend and was wondering if you and/or Nancy are on the ground in Flint and if so, are you available to meet me in person? If not in person, then maybe we should have a phone conversation over the weekend? There are some things we need to discuss, preferably in person, about some of our pending results before we release publicly Tuesday as I want the EPA to be in the loop on this, but it is very sensitive information. If possible, I would prefer this e-mail and the latest information to be confidential between Water Defense (our partners the UA 370 included and Melissa Mays) and the EPA.

If the EPA is obligated to share our information with the State of MI or the CDC or any other agencies or anyone affiliated with the State of MI that gets paid by the State of MI, I would like to

know in advance. I say this because we value our relationship with the EPA and completely trust the EPA and I continue to reinforce this in the community. At this point it is the EPA that we only feel this way about; and this is based on performance and actions. Also, per our discussion the other day, I have reinforced with the residents and especially some of the more vocal residents that the EPA is working diligently and thoroughly to find answers and in no way is the EPA lying or participating in any cover up. In our press release we are working on for Tuesday, we plan to reinforce our support of the EPA and our commitment to the community.

The addresses below(note this is not the complete list per above):



Best Regards,

Scott Smith Chief Technology Officer & Investigator Water Defense Twitter @WaterWarriorOne (508) 345-6520

From:

Mark Durno <<u>durno.mark@epa.gov</u>> **Date:** Thursday, April 28, 2016 at 3:51 PM

To: Scott Smith < ssmith@waterdefense.org >, Nancy Grantham < Grantham.Nancy@epa.gov >

Cc: Ben Ranger

Subject: RE: Information / Discussion Items for Conference Call Tomorrow

Scott,

Per our conversation yesterday, I've reviewed all of the information you've provided and I can't find the addresses where you've collected samples (I see the names, but not addresses). Can you please provide me with the addresses that you've collected water samples at? We'll then review our data, and make sure that the residents have everything that we've analyzed. They can then share the data with you. This will insure that we are compliant with the privacy act.

Thanks,		
Mark		

Mark Durno

Homeland Security Advisor / Deputy Chief

Emergency Response Branch U.S. Environmental Protection Agency 25063 Center Ridge Road Westlake, OH 44145

440-250-1743

From: Scott Smith [mailto:ssmith@waterdefense.org]

Sent: Tuesday, April 26, 2016 4:24 PM

To: Grantham, Nancy <Grantham.Nancy@epa.gov>; Durno, Mark <durno.mark@epa.gov>

Cc: Ben Ranger ← Ex. 6 - Personal Privacy

Subject: Information / Discussion Items for Conference Call Tomorrow

Nancy / Mark,

I have attached a copy of the presentation I gave at Friday's press conference and last night at the Flint City Council meeting. I also gave hard copy versions to Councilman Mays, President of the Council, and Mayor Weaver.

I have also attached the complete presentation given by Dr. Susan Richardson of the EPA Office of R&D in 2009. I spoke with Dr. Richardson yesterday (whom I understand left the EPA 2 years ago and is now a college professor in South Carolina). She then sent me her backup and detailed research papers (attached).

Topics to de discussed tomorrow:

- 1. Dr. Richards EPA presentations and research from 2009 and what this could possibly mean for the Flint situation.
- 2. Note Dr. Richards point about inhalation in a shower: "Can get 2X exposure from 10 minute shower compared to drinking to 2L of tap water." Also, as an fyi..! have noticed that Dr. Edwards has been very complimentary of Dr. Richards work on one of his websites. It seems to me that Dr. Richards work has a lot of credibility. Dr. Richards told me yesterday there are now over 700 unregulated DBP's and we discussed some of the Water Defense findings in the showers/bathtubs/water heaters too. I really look forward to discussing this with you tomorrow and helping to figure out what is going on with the shower / bath water in Flint.
- 3. Clearing up confusion with residents over statements from the EPA / CDC related to the testing the UA 370 / Water Defense had been doing and continues to do. We are also testing water extensively with grab samples too side by side with the Water Defense WaterBug (throughout the entire home and as the way people really encounter the water as the two of you already know) and apparently there are people at the EPA and CDC and affiliated with the State of MI that are confused and leading the residents to believe that we are not taking grab samples. Note the residents have all been in attendance in their homes while we do testing, so when the EPA and CDC make confusing statements, it causes the residents to call me directly and ask why these statements are being made? I understand from Melissa Mays that Administrator McCarthy was confused by this too and thought we had cleared this up. We provided our detailed lab reports (not just summaries) to the EPA and CDC along with names of residents in good faith and would really appreciate the EPA clearing up this confusion.
- 4. Still waiting for the detailed lab reports from the EPA including the Tentatively Identified Compounds. We need to discuss putting these reports side by side with transparency for the community of Flint. I have been asked to follow up with the City Council and Mayor and would like these detailed reports from the EPA.

Thanks and looking forward to our call.

Best Regards,

Scott Smith

Chief Technology Officer & Investigator

Water Defense

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(508) 345-6520